Contents to volume 48

January 1997 Volume 48 Number 1

Editorial Message

1 From the new editor
R.C. Griggs

Editorial

2 Neurogenetics and primary care
R.J. Joynt

Articles

4 Evaluation of neuromuscular symptoms in veterans of the Persian Gulf War
A.A. Amato, A. McVey, C. Cha, E.C. Matthews, C.E. Jackson, R. Kleingunther, L. Worley, E. Cornman, and K. Kagan-Hallet

13 Myelopathy among Brazilians coinfected with human T-cell lymphotropic virus type I and HIV
L.H. Harrison, B. Vaz, D.M. Taveira, T.C. Quinn, C.J. Gibbs, S.H. de Souza, J.C. McArthur, and M. Schechter

19 Clinical course of a cohort in the Cuban epidemic optic and peripheral neuropathy
D.S. Mojon, P. Kaufmann, J.G. Odel, N.S. Lincoff, M. Márquez-Fernandez, R. Santiesteban, D. Fuentes-Pelier, and M. Hirano

23 Hereditary motor and sensory neuropathy IIB: Clinical and electrodiagnostic characteristics
J.L. Elliott, J.M. Kwon, P.J. Goodfellow, and W.-C. Yee

29 Inclusion body myositis: No evidence for a neurogenic component
C.A. Luciano and M.C. Dalakas

33 Proximal myotonic myopathy with MRI white matter abnormalities of the brain
E. Hund, O. Jansen, M.C. Koch, K. Ricker, W. Fogel, N. Niedermaier, M. Otto, E. Kuhn, and H.-M. Meinck

38 A prospective, quantitative study of the natural history of facioscapulohumeral muscular dystrophy (FSHD): Implications for therapeutic trials
The FSH-DY Group

46 A pilot trial of prednisone in facioscapulohumeral muscular dystrophy
R. Tawil, M.P. McDermott, S. Pandya, W. King, J. Kissel, J.R. Mendell, R.C. Griggs, and the FSH-DY Group

50 The fetal/adult acetylcholine receptor antibody ratio in mothers with myasthenia gravis as a marker for transfer of the disease to the newborn
M. Gardnerova, B. Eymard, E. Morel, M. Faltin, J. Zajac, O. Sadovsky, P. Tripon, M. Domergue, B. Vernet-der Garabedian, and J.F. Bach

55 Prognosis in familial amyotrophic lateral sclerosis: Progression and survival in patients with glu100gly and ala4val mutations in Cu,Zn superoxide dismutase
T. Juneja, M.A. Pericak-Vance, N.G. Laing, S. Dave, and T. Siddique

58 Recurrent optic neuromyelitis with endocrinopathies: A new syndrome
J.-C. Vernant, P. Cabre, D. Smadja, H. Merle, I. Caubarrère, J. Mikol, and C.M. Poser

65 Multiple sclerosis presenting as transverse myelopathy: Clinical and MRI features
V.I. Simnad, D.E. Pisani, and J.W. Rose

74 Quality of life among persons with multiple sclerosis and their caregivers
K.J. Aronson

81 Tolcapone improves motor function and reduces levodopa requirement in patients with Parkinson's disease experiencing motor fluctuations: A multicenter, double-blind, randomized, placebo-controlled trial
M.C. Kurth, C.H. Adler, M. St. Hilaire, C. Singer, C. Waters, P. LeWitt, D.A. Chernik, E.E. Dorflinger, K. Yoo, and the Tolcapone Fluctuator Study Group I

88 Free-living daily energy expenditure in patients with Parkinson's disease
M.J. Toth, P.S. Fishman, and E.T. Poehlman

91 Anticardiolipin antibodies and the risk of recurrent thrombo-occlusive events and death
The Antiphospholipid Antibodies and Stroke Study Group (APASS)

95 Patients with stroke confined to basal ganglia have diminished response to rehabilitation efforts
I. Miyai, A.D. Blau, M.J. Reding, and B.T. Volpe

101 Continuous bromocriptine therapy in menstrual migraine
A.G. Herzog

CONTENTS

103 Ibuprofen or acetaminophen for the acute treatment of migraine in children: A double-blind, randomized, placebo-controlled, crossover study
M.L. Hämäläinen, K. Hoppu, E. Valkeila, and P. Santavuori

108 Cognitive processing in primary headache: A study on event-related potentials
S. Evers, B. Bauer, B. Suhr, I.W. Husstedt, and K.H. Grotemeyer

113 Phosphorus magnetic resonance spectroscopy in cluster headache
P. Montagna, R. Lodi, P. Cortelli, G. Pierangeli, S. Iotti, S. Cevoli, P. Zaniol, and B. Barbiroli

119 Accuracy of the clinical diagnosis of corticobasal degeneration: A clinicopathologic study
I. Litvan, Y. Agid, C. Goetz, J. Jankovic, G.K. Wenning, J.P. Brandel, E.C. Lai, M. Verny, K. Ray-Chaudhuri, A. McKee, K. Jellinger, R.K.B. Pearce, and J.J. Bartko

126 Criteria for Alzheimer's disease and the nosology of dementia with Lewy bodies
L.A. Hansen and W. Samuel

132 Very old women at highest risk of dementia and Alzheimer's disease: Incidence data from the Kungsholmen Project, Stockholm
L. Fratiglioni, M. Viitanen, E. von Strauss, V. Tontodonati, A. Herlitz, and B. Winblad

139 ApoE-4 and age at onset of Alzheimer's disease: The NIMH Genetics Initiative
D. Blacker, J.L. Haines, L. Rodes, H. Terwedow, R.C.P. Go, L.E. Harrell, R.T. Perry, S.S. Bassett, G. Chase, D. Meyers, M.S. Albert, and R. Tanzi

148 Decline of frontal lobe functions in subjects with age-associated memory impairment
T. Hänninen, M. Hallikainen, K. Koivisto, K. Partanen, M.P. Laakso, P.J. Riekkinen, Sr., and H. Soininen

154 Hippocampal sclerosis contributes to dementia in the elderly
J. Corey-Bloom, M.N. Sabbagh, M.W. Bondi, L. Hansen, M.F. Alford, E. Masliah, and L.J. Thal

160 Amnesia following damage to the mammillary bodies
Y. Tanaka, Y. Miyazawa, F. Akaoka, and T. Yamada

165 Specific semantic memory loss after hypoxic-ischemic injury
M.P. Alexander

173 Age-related reduction in functional MRI response to photic stimulation
M.H. Ross, D.A. Yurgelun-Todd, P.F. Renshaw, L.C. Maas, J.H. Mendelson, N.K. Mello, B.M. Cohen, and J.M. Levin

177 Prevalence and genetics of sleepwalking: A population-based twin study
C. Hublin, J. Kaprio, M. Partinen, K. Heikkilä, and M. Koskenvuo

182 Safety and efficacy of divalproex sodium monotherapy in partial epilepsy: A double-blind, concentration-response design clinical trial
A. Beydoun, J.C. Sackellares, V. Shu, and the Depakote Monotherapy for Partial Seizures Study Group

189 Seizure symptomatology in infants with localization-related epilepsy
J.N. Acharya, E. Wyllie, H.O. Lüders, P. Kotagal, M. Lancman, and M. Coelho

197 Hypsarrhythmia: Frequency of variant patterns and correlation with etiology and outcome
U. Kramer, W.C. Sue, and M.A. Mikati

204 Epidemiology of multiple sclerosis in US veterans: VII. Risk factors for MS
J.F. Kurtzke and W.F. Page

214 A prospective study on the incidence and prognosis of Guillain-Barré syndrome in Emilia-Romagna region, Italy (1992–1993)
Emilia-Romagna Study Group on Clinical and Epidemiological Problems in Neurology

221 Paraparesis due to syphilitic aortic dissection
M.W. Kellett, G.R. Young, and N.A. Fletcher

223 HIV infection and cognition in intravenous drug users: Long-term follow-up
O.A. Selnes, N. Galai, J.C. McArthur, S. Cohn, W. Royal, D. Esposito, and D. Vlahov

231 Fixation-off-sensitive epilepsy with absences and absence status: Video-EEG documentation
A. Agathonikou, M. Koutroumanidis, and C.P. Panayiotopoulos

234 Spatial bias: Attentional and intentional influence in normal subjects
R.L. Schwartz, J.C. Adair, D. Na, D.J.G. Williamson, and K.M. Heilman

243 Serum IgM monoclonal autoantibody binding to the 301 to 314 amino acid epitope of β-tubulin: Clinical association with slowly progressive demyelinating polyneuropathy
A.M. Connolly, A. Pestronk, S. Mehta, W.C. Yee, B.J. Green, C. Fellin, R.K. Olney, R.G. Miller, and W.N. Devor

249 Reconstituted botulinum toxin type A does not lose potency in humans if it is refrozen or refrigerated for 2 weeks before use
R.R. Sloop, B.A. Cole, and R.O. Escutin

253 Autosomal dominant hyaline body myopathy presenting as scapuloperoneal syndrome: Clinical features and muscle pathology
S. Masuzugawa, S. Kuzuhara, Y. Narita, Y. Naito, A. Taniguchi, and T. Ibi

258 A novel mutation in the sterol 27-hydroxylase gene of a Pakistani family with autosomal recessive cerebrotendinous xanthomatosis
M.S. Ahmed, S. Afsar, A. Hentati, A. Ahmad, J. Pasha, T. Juneja, W.-Y. Hung, Ak. Ahmad, A. Choudhri, S. Saya, and T. Siddique

Brief Communications

261 Successful treatment of persistent migraine aura with divalproex sodium
J.F. Rothrock

263 Meningeal involvement in Wegener's granulomatosis confirmed and monitored by positive circulating antineutrophil cytoplasm in cerebrospinal fluid
M. Spranger, S. Schwab, H.-M. Meinck, M. Tischendorf, J. Sis, A. Breitbart, and K. Andrassy

265 Isolated meningeal vasculopathy associated with *Clostridium septicum* infection
R.S. Crowley, A. Lembke, and D.S. Horoupian

267 Cyclin-dependent kinase 5 in Lewy body-like inclusions in anterior horn cells of a patient with sporadic amyotrophic lateral sclerosis
S. Nakamura, Y. Kawamoto, S. Nakano, A. Ikemoto, I. Akiguchi, and J. Kimura

270 MRI and brainstem auditory evoked potential evidence of eighth cranial nerve involvement in multiple sclerosis
R. Bergamaschi, A. Romani, F. Zappoli, M. Versino, and V. Cosi

273 Hereditary ataxia with sensory neuronopathy: Biemond's ataxia
D.B. Nachmanoff, R.A. Segal, D.M. Dawson, R.B. Brown, and U. De Girolami

275 Gluteal compartment syndrome due to rhabdomyolysis after heroin abuse
T. Klockgether, M. Weller, T. Haarmeier, B. Kaskas, G. Maier, and J. Dichgans

277 Multiple brain gas embolism after ingestion of concentrated hydrogen peroxide
T. Ijichi, T. Itoh, R. Sakai, K. Nakaji, T. Miyauchi, R. Takahashi, S. Kadosaka, M. Hirata, S. Yoneda, Y. Kajita, and Y. Fujita

279 Unusual MRI and pathologic findings of progressive multifocal leukoencephalopathy complicating adult Wiskott-Aldrich syndrome
T. Matsushima, K. Nakamura, T. Oka, N. Tachikawa, T. Sata, S. Murayama, N. Nukina, and I. Kanazawa

283 Mutations in the proteolipid protein gene in Japanese families with Pelizaeus-Merzbacher disease
K. Inoue, H. Osaka, C. Kawanishi, N. Sugiyama, M. Ishii, K. Sugita, Y. Yamada, and K. Kosaka

Clinical/Scientific Notes

286 MRI-based hippocampal volumetry and T_2 relaxometry: Correlation to verbal memory performance in newly diagnosed epilepsy patients with left-sided temporal lobe focus
R. Kälviäinen, K. Partanen, M. Äikiä, E. Mervaala, P. Vainio, P.J. Riekkinen, Sr., and A. Pitkänen

287 Demyelinating brachial neuropathy complicating syngeneic graft-versus-host disease
Y. Yoshiyama, M. Nakajima, S. Kuwabara, and E. Kawano

288 Needle cervical root stimulation may be complicated by pneumothorax
H.W. Sander, C.M. Quinto, R. Murali, and S. Chokroverty

289 Meeting badge neuropathy
D.C. Preston and B.E. Shapiro

Correspondence

291 Amyloid angiopathy
To the Editor: S.M. Greenberg. To the Editor: W.I. Rosenblum. Reply from the Authors: N.B. Fountain and D.A. Eberhard

292 Failure to recall
To the Editor: R.M. Dasheiff. To the Editor: R.J. Hawley, N. Cuenco, and L. Lastinger. Reply from the Authors: P. Vuilleumier

CONTENTS

293 Epidural anesthesia
To the Editor: I. Steiner, Z. Argov, and O. Abramsky. To the Editor: A. Sghirlanzoni and D. Pareyson. To the Editor: A. Jerez, J.A. Molina, and J. Benito-León. Reply from the Authors: E.C. Yuen, R.B. Layzer, S.R. Weitz, and R.K. Olney

295 Cobalamine deficiency
To the Editor: G.J. Gilbert. To the Editor: J.R. Berger. Reply from the Authors: A. Chatterjee, R. Yapundich, C.A. Palmer, D.C. Marson, and G.W. Mitchell

295 Cervical radiculopathies
To the Editor: A. Cuetter

295 Hemorrhagic infarct
To the Editor: A. Chamorro. Reply from the Authors: D. Toni, M.L. Sacchetti, C. Argentino, M. Fiorelli, G. Sette, L. Bozzao, S. Bastianello, and E. Montinaro

296 Cyclosporine mutism
To the Editor: R. Laureno and B.P.I. Karp. Reply from the Authors: F. Valldeoriola

Departments

C2 Information for Authors
17A Calendar
53A Professional Notices
66A Index to Advertisers
298 Book Reviews

February 1997 Volume 48 Number 2

Views & Reviews

303 The neurologist as neuroimager
J. Brillman, R. Kasdan, and L.R. Wechsler

306 Ischemic tolerance in the brain
J. Chen and R. Simon

Articles

312 A multicenter, randomized, double-blind, placebo-controlled trial of influenza immunization in multiple sclerosis
A.E. Miller, L.A. Morgante, L.Y. Buchwald, S.M. Nutile, P.K. Coyle, L.B. Krupp, C.A. Doscher, F.D. Lublin, R.L. Knobler, F. Trantas, L. Kelley, C.R. Smith, N. La Rocca, and S. Lopez

315 HTLV-associated myelopathy in a cohort of HTLV-I and HTLV-II-infected blood donors
E.L. Murphy, J. Fridey, J.W. Smith, J. Engstrom, R.A. Sacher, K. Miller, J. Gibble, J. Stevens, R. Thomson, D. Hansma, J. Kaplan, R. Khabbaz, G. Nemo, and the REDS investigators

321 Chronic inflammatory demyelinating polyneuropathy: Clinical features and response to treatment in 67 consecutive patients with and without a monoclonal gammopathy
K.C. Gorson, G. Allam, and A.H. Ropper

328 Pain in Guillain-Barré syndrome
D.E. Moulin, N. Hagen, T.E. Feasby, R. Amireh, and A. Hahn

332 Development and preliminary validation of a pain measure specific to neuropathic pain: The Neuropathic Pain Scale
B.S. Galer and M.P. Jensen

339 Inflammatory myopathy in thyrotoxicosis
O. Hardiman, F. Molloy, F. Brett, and M. Farrell

341 Crack cocaine use and stroke in young patients
A.I. Qureshi, M.S. Akbar, E. Czander, K. Safdar, R.S. Janssen, and M.R. Frankel

346 Validation of the ACAS TIA/stroke algorithm
P.N. Karanjia, J.J. Nelson, D.S. Lefkowitz, A.R. Dick, J.F. Toole, L.E. Chambless, R. Hayes, and V.J. Howard

352 Cerebrospinal fluid creatine kinase BB isoenzyme activity and neurologic prognosis after cardiac arrest
D.L. Tirschwell, W.T. Longstreth, Jr., M.E. Rauch-Matthews, W.L. Chandler, T. Rothstein, L. Wray, L.J. Eng, J. Fine, and M.K. Copass

358 Long-term effects of tetrabenazine in hyperkinetic movement disorders
J. Jankovic and J. Beach

363 Cabergoline in the treatment of early Parkinson's disease: Results of the first year of treatment in a double-blind comparison of cabergoline and levodopa
U.K. Rinne, F. Bracco, C. Chouza, E. Dupont, O. Gershanik, J.F. Marti Masso, J.L. Montastruc, C.D. Marsden, A. Dubini, N. Orlando, R. Grimaldi, and PKDS009 Collaborative Study Group

CONTENTS

369 Apomorphine responses in Parkinson's disease and the pathogenesis of motor complications
L.V. Metman, E.R. Locatelli, D. Bravi, M.M. Mouradian, and T.N. Chase

373 Laryngeal deglutition movement in Parkinson's disease
N.A. Leopold and M.C. Kagel

376 Comparison of extrapyramidal features in 31 pathologically confirmed cases of diffuse Lewy body disease and 34 pathologically confirmed cases of Parkinson's disease
E.D. Louis, L.A. Klatka, Y. Liu, and S. Fahn

381 Disappearance of motor tics after Wernicke's encephalopathy in a patient with Tourette's syndrome
L. Pantoni, L. Poggesi, A. Repice, and D. Inzitari

384 Survival of patients with pathologically proven multiple system atrophy: A meta-analysis
Y. Ben-Shlomo, G.K. Wenning, F. Tison, and N.P. Quinn

394 Longitudinal change in basal ganglia volume in patients with Huntington's disease
E.H. Aylward, Q. Li, O.C. Stine, N. Ranen, M. Sherr, P.E. Barta, F.W. Bylsma, G.D. Pearlson, and C.A. Ross

399 Neuroanatomy in Rett syndrome: Cerebral cortex and posterior fossa
B. Subramaniam, S. Naidu, and A.L. Reiss

407 The neurologic complications of B-cell chronic lymphocytic leukemia
J.H. Bower, J.E. Hammack, S.K. McDonnell, and A. Tefferi

412 Craniectomy: An aggressive treatment approach in severe encephalitis
S. Schwab, E. Jünger, M. Spranger, A. Dörfler, F. Albert, H.H. Steiner, and W. Hacke

418 Chronic encephalitis and epilepsy in adults and adolescents: A variant of Rasmussen's syndrome?
Y.M. Hart, F. Andermann, D.R. Fish, F. Dubeau, Y. Robitaille, T. Rasmussen, S. Berkovic, R. Marino, E.M. Yakoubian, K. Spillane, and F. Scaravilli

425 Adult-onset temporal lobe epilepsy associated with smoldering herpes simplex 2 infection
M.E. Cornford and G.F. McCormick

430 The course of benign partial epilepsy of childhood with centrotemporal spikes: A meta-analysis
P.A.D. Bouma, A.C. Bovenkerk, R.G.J. Westendorp, and O.F. Brouwer

437 Surgical treatment of patients with single and dual pathology: Relevance of lesion and of hippocampal atrophy to seizure outcome
L.M. Li, F. Cendes, C. Watson, F. Andermann, D.R. Fish, F. Dubeau, S. Free, A. Olivier, W. Harkness, D.G.T. Thomas, J.S. Duncan, J.W.A.S. Sander, S.D. Shorvon, M.J. Cook, and D.L. Arnold

445 Underexpression of messenger RNA for peripheral myelin protein 22 in hereditary neuropathy with liability to pressure palsies
A. Schenone, L. Nobbio, P. Mandich, E. Bellone, M. Abbruzzese, F. Aymar, G.L. Mancardi, and A.J. Windebank

450 A novel frameshift mutation in *PMP22* accounts for hereditary neuropathy with liability to pressure palsies
P. Young, H. Wiebusch, F. Stögbauer, B. Ringelstein, G. Assmann, and H. Funke

453 Two large Spanish pedigrees with nonsyndromic sensorineural deafness and the mtDNA mutation at nt 1555 in the 12S rRNA gene: Evidence of heteroplasmy
M. El-Schahawi, A. López de Munain, A.M. Sarrazin, A.L. Shanske, M. Basirico, S. Shanske, and S. DiMauro

456 Dose-dependent, central effects of botulinum neurotoxin type A: A pilot study in the alert behaving cat
B. Moreno-López, A.M. Pastor, R.R. de la Cruz, and J.M. Delgado-García

464 Indictment of the microglia as the villain in multiple sclerosis
S. Sriram and M. Rodriguez

471 Hughlings Jackson's deductive science of the nervous system: A product of his thought collective and formative years
A.A.J. Andermann

482 Machado-Joseph disease in four Chinese pedigrees: Molecular analysis of 15 patients including two juvenile cases and clinical correlations
Y.X. Zhou, Y. Takiyama, S. Igarashi, Y.F. Li, B.Y. Zhou, D.C. Gui, K. Endo, H. Tanaka, Z.H. Chen, L.S. Zhou, M.Z. Fan, B.X. Yang, J. Weissenbach, G.X. Wang, and S. Tsuji

486 Dystrophin expression in a Duchenne muscular dystrophy patient with a frame shift deletion
T.W. Prior, C. Bartolo, A.C. Papp, P.J. Snyder, M.S. Sedra, A.H.M. Burghes, J.T. Kissel, M.H. Luquette, C.-Y. Tsao, and J.R. Mendell

489 A novel point mutation in the peripheral myelin protein 22 *(PMP22)* gene associated with Charcot-Marie-Tooth disease type 1A
M.G. Marrosu, S. Vaccargiu, G. Marrosu, A. Vannelli, C. Cianchetti, and F. Muntoni

494 Autoantibodies to glutamate receptor subunit GluR2 in nonfamilial olivopontocerebellar degeneration
L.C. Gahring, S.W. Rogers, and R.E. Twyman

501 Intradermal recombinant human nerve growth factor induces pressure allodynia and lowered heat-pain threshold in humans
P.J. Dyck, S. Peroutka, C. Rask, E. Burton, M.K. Baker, K.A. Lehman, D.A. Gillen, J.L. Hokanson, and P.C. O'Brien

506 Torsional eye movements in patients with skew deviation and spasmodic torticollis: Responses to static and dynamic head roll
L. Averbuch-Heller, K.G. Rottach, A.Z. Zivotofsky, J.I. Suarez, A.D. Pettee, B.F. Remler, and R.J. Leigh

515 Apolipoprotein E-ε2 and Alzheimer's disease: Genotype influences pathologic phenotype
C.F. Lippa, T.W. Smith, A.M. Saunders, C. Hulette, D. Pulaski-Salo, and A.D. Roses

Brief Communications

520 Subarachnoid hemorrhage in a patient with Lyme disease
M. Chehrenama, M.T. Zagardo, and C.L. Koski

524 Vascular lesions in Chinese patients with transient ischemic attacks
Y.N. Huang, S. Gao, S.W. Li, Y. Huang, J.F. Li, K.S. Wong, and R. Kay

526 Long-term follow-up of patients with subacute sclerosing panencephalitis treated with intraventricular α-interferon
B. Anlar, K. Yalaz, F. Öktem, and Gülşen Köse

529 Brainstem CMV encephalitis in AIDS: Clinical case and MRI features
F. Pierelli, G. Tilia, A. Damiani, P. Coiro, M.C. Massara, F. Bianco, and I. Mezzaroma

531 Sydenham Chorea: Magnetic resonance imaging reveals permanent basal ganglia injury
E.S. Emery and P.T. Vieco

534 Magnetization transfer imaging in progressive multifocal leukoencephalopathy
S.E. Kasner, S.L. Galetta, J.C. McGowan, and R.I. Grossman

Clinical/Scientific Notes

537 How high is high in steroid treatment of Vogt-Koyanagi-Harada syndrome?
K. Ikeda, S. Suzuki, M. Ichijo, Y. Matsuoka, and S. Irimajiri

537 Tremor caused by trimethoprim-sulfamethoxazole in a patient with AIDS
J.A. Van Gerpen

538 Spontaneous calcific cerebral embolus
V. Shanmugam, R. Chhablani, and P.B. Gorelick

539 Isolated bilateral masseter atrophy in X-linked recessive bulbospinal neuronopathy
T. Suzuki, K. Endo, S. Igarashi, M. Fukuda, and M. Tanaka

540 Use of fluid attenuating inversion recovery, MR angiogram, and diffusion-weighted MRI techniques for assessment of pontine infarction in a patient treated with radiation therapy for pituitary neoplasm
L.M. Graef, H.L. Lutsep, A. Norbash, and G.W. Albers

542 Inheritance of three distinct muscle chloride channel gene (*CLCN1*) mutations in a single recessive myotonia congenita family
K. Sloan-Brown and A.L. George, Jr

Correspondence

544 Multifocal motor neuropathy with conduction block after *Campylobacter jejuni* enteritis
To the Editor: M. Abbruzzese, L. Reni, A. Schenone, G.L. Mancardi, and A. Primavera. Reply from the Authors: J.R. White, G.M. Sachs, and J.M. Gilchrist

544 Brain edema after carotid endarterectomy
To the Editor: B. van Harten, W.A. van Gool, H.M.E. Bienfait, and J. Stam. Reply from the Authors: J. Breen, M. Pessin, and L. Caplan

545 VKH syndrome
To the Editor: Y. Osaki, K. Matsubayashi, and Y. Doi. Reply from the Authors: G. Gilmore and W.R. Helvestone

546 Early frontal impairment as a predictor of dementia in Parkinson's disease
To the Editor: M. Piccirilli, P. D'Alessandro, G. Finali, and G. Piccinin. Reply from the Authors: D.M. Jacobs, K. Marder, L.J. Coté, M. Sano, Y. Stern, and R. Mayeux

547 Postoperative hyponatremia
To the Editor: H.B. Goldman. To the Editor: M.L. Halperin. To the Editor: R. Katzin. Reply from the Authors: J.C. Ayus and A.I. Arieff

549 Intracranial hypotension
To the Editor: A. Arjona, C. Ricart, and M.T. Bartolome. Reply from the Authors: B. Mokri

549 Preclinical AD
To the Editor: H.J. Roberts. Reply from the Authors: D.M. Jacobs, M. Sano, G. Dooneief, K. Marder, K.L. Bell, and Y. Stern

550 Occipital arteriovenous malformations
To the Editor: B.E. Pollock, L.D. Lunsford, and D. Kondziolka. Reply from the Author: M.J. Kupersmith

550 Dropped head syndrome
To the Editor: A.J. Waclawik, B.P. Lotz, B.R. Beinlich, and B.R. Brooks.
To the Editor: J.H. Jaster, T.E. Bertorini, M.P. Swims, F.C. Dohan Jr., P.G. Menke, T. Becske, and K.E. Mönkemüller. Reply from the Authors: J.S. Katz, G.I. Wolfe, D.K. Burns, W.W. Bryan, J.L. Fleckenstein, and R.J. Barohn

552 Hereditary Alexander's disease
To the Editor: J. Honnorat and P. Trouillas. Reply from the Authors: J.D. Schwankhaus, J.E. Parisi, W.R. Gulledge, and R.D. Currier

553 Associated blepharospasm in lower pontine lesions
To the Editor: K.R. Nair. Reply from the Authors: M. Aramideh, J.D. Speelman, and B.W. Ongerboer de Visser

In Memoriam

554 Dragomir (Michael) Vuckovich (1927–1996)

556 Michael Stuart Pessin (1940–1996)

Departments

C2 Information for Authors
21A Calendar
61A Professional Notices
76A Index to Advertisers
558 Book Reviews

March 1997 Volume 48 Number 3

Editorial Message

563 Expediting manuscripts and other changes in *Neurology*
R.C. Griggs

Editorial

565 Trigeminal neuralgia: Gamma radiosurgery may provide new options for treatment
R. Maciewicz and S. Scrivani

567 The therapeutic dilemma of inclusion body myositis
R.J. Barohn

Contemporary Issues

569 Bovine spongiform encephalopathy and a new variant of Creutzfeldt-Jakob disease
L.G. Epstein and P. Brown

Views and Reviews

572 Guidelines for clinical trials of new therapeutic agents in multiple sclerosis: Relations between study investigators, advisors, and sponsors
F.D. Lublin, S.C. Reingold, and the National Multiple Sclerosis Society (USA) Advisory Committee on Clinical Trials of New Agents in Multiple Sclerosis

575 Diagnosis and management of concussion in sports
J.P. Kelly and J.H. Rosenberg

Special Article

581 Practice Parameter: The management of concussion in sports (summary statement)
Report of the Quality Standards Subcommittee

Articles

586 Standardized Assessment of Concussion in football players
M. McCrea, J.P. Kelly, J. Kluge, B. Ackley, and C. Randolph

CONTENTS

589 Volumetric MRI analysis comparing subjects having attention-deficit hyperactivity disorder with normal controls
P.A. Filipek, M. Semrud-Clikeman, R.J. Steingard, P.F. Renshaw, D.N. Kennedy, and J. Biederman

602 Pediatric migraine and the International Headache Society (IHS) criteria
J. Maytal, M. Young, A. Shechter, and R.B. Lipton

608 Gamma Knife radiosurgery for treatment of trigeminal neuralgia: Idiopathic and tumor related
R.F. Young, S.S. Vermeulen, P. Grimm, J. Blasko, and A. Posewitz

614 Alcohol use is a risk factor for a first generalized tonic-clonic seizure
M. Leone, E. Bottacchi, E. Beghi, E. Morgando, R. Mutani, G. Amedeo, R. Cremo, M. Gianelli, L.R. Ceroni, and The ALC.E. (Alcohol and Epilepsy) Study Group

621 Long-term follow-up after temporal lobe resection for lesions associated with chronic seizures
S.D. Eliashiv, S. Dewar, I. Wainwright, J. Engel, Jr., and I. Fried

626 Risk of Alzheimer's disease and duration of NSAID use
W.F. Stewart, C. Kawas, M. Corrada, and E.J. Metter

632 Assessment of CSF levels of tau protein in mildly demented patients with Alzheimer's disease
D. Galasko, C. Clark, L. Chang, B. Miller, R.C. Green, R. Motter, and P. Seubert

636 Respiratory chain enzyme activities in isolated mitochondria of lymphocytes from patients with Alzheimer's disease
J.A. Molina, F. de Bustos, F.J. Jiménez-Jiménez, J. Benito-León, T. Gasalla, M. Ortí-Pareja, L. Vela, F. Bermejo, M.A. Martín, Y. Campos, and J. Arenas

639 Differential contribution of current and cumulative indices of lead dose to neuropsychological performance by age
M.L. Bleecker, K.N. Lindgren, and D.P. Ford

645 Familial idiopathic brain calcification with autosomal dominant inheritance
M. Kobari, S. Nogawa, Y. Sugimoto, and Y. Fukuuchi

650 Occupational exposures to metals as risk factors for Parkinson's disease
J.M. Gorell, C.C. Johnson, B.A. Rybicki, E.L. Peterson, G.X. Kortsha, G.G. Brown, and R.J. Richardson

658 Low-dose clozapine improves dyskinesias in Parkinson's disease
F. Durif, M. Vidailhet, F. Assal, C. Roche, A.M. Bonnet, and Y. Agid

662 Selegiline diminishes cardiovascular autonomic responses in Parkinson's disease
J. Turkka, K. Suominen, U. Tolonen, K. Sotaniemi, and V.V. Myllylä

668 Clinical-neuropathologic findings in multi-infarct dementia: A report of six autopsied cases
C. Hulette, D. Nochlin, D. McKeel, J.C. Morris, S.S. Mirra, S.M. Sumi, and A. Heyman

673 Comparison of EPISTAR and T_2* -weighted gadolinium-enhanced perfusion imaging in patients with acute cerebral ischemia
B. Siewert, G. Schlaug, R.R. Edelman, and S. Warach

680 Pathogenesis of acute monocular blindness from leaking anterior communicating artery aneurysms: Report of six cases
J.W. Chan, W.F. Hoyt, W.G. Ellis, and D. Gress

683 A bolt from the blue: Lightning strike to the head
M. Cherington, E.P. Krider, P.R. Yarnell, and D.W. Breed

687 Diagnosis of AIDS-related focal brain lesions: A decision-making analysis based on clinical and neuroradiologic characteristics combined with polymerase chain reaction assays in CSF
A. Antinori, A. Ammassari, A. De Luca, A. Cingolani, R. Murri, G. Scoppettuolo, M. Fortini, T. Tartaglione, L.M. Larocca, G. Zannoni, P. Cattani, R. Grillo, R. Roselli, M. Iacoangeli, M. Scerrati, and L. Ortona

695 Patterns of recovery in the Guillain-Barré syndromes
T.W. Ho, C.Y. Li, D.R. Cornblath, C.Y. Gao, A.K. Asbury, J.W. Griffin, and G.M. McKhann

700 Electrophysiologic findings in multifocal motor neuropathy
J.S. Katz, G.I. Wolfe, W.W. Bryan, C.E. Jackson, A.A. Amato, and R.J. Barohn

708 Intraepidermal nerve fiber density in patients with painful sensory neuropathy
N.R. Holland, A. Stocks, P. Hauer, D.R. Cornblath, J.W. Griffin, and J.C. McArthur

712 Treatment of inclusion-body myositis with IVIg: A double-blind, placebo-controlled study
M.C. Dalakas, B. Sonies, J. Dambrosia, E. Sekul, E. Cupler, and K. Sivakumar

717 Motor nerve terminal degeneration provides a potential mechanism for rapid recovery in acute motor axonal neuropathy after *Campylobacter* infection
T.W. Ho, S.-T. Hsieh, I. Nachamkin, H.J. Willison, K. Sheikh, J. Kiehlbauch, K. Flanigan, J.C. McArthur, D.R. Cornblath, G.M. McKhann, and J.W. Griffin

725 MRI in Lhermitte-Duclos disease
K. Kulkantrakorn, E.E. Awwad, B. Levy, J.B. Selhorst, H.O. Cole, D. Leake, J.R. Gussler, A.D. Epstein, and M.M. Malik

732 Treatment of putative immune-mediated and idiopathic cervical dystonia with intravenous methylprednisolone
R. Kumar, D.M. Maraganore, J.E. Ahlskog, and M. Rodriguez

735 Cell surface expression of paraneoplastic encephalomyelitis/sensory neuronopathy-associated Hu antigens in small-cell lung cancers and neuroblastomas
M. Torà, F. Graus, C. de Bolòs, and F.X. Real

741 The βAPP717 Alzheimer mutation increases the percentage of plasma amyloid-β protein ending at Aβ42(43)
T. Kosaka, M. Imagawa, K. Seki, H. Arai, H. Sasaki, S. Tsuji, A. Asami-Odaka, T. Fukushima, K. Imai, and T. Iwatsubo

746 Clinical and functional investigation of 10 missense mutations and a novel frameshift insertion mutation of the gene for copper-zinc superoxide dismutase in UK families with amyotrophic lateral sclerosis
R.W. Orrell, J.J. Habgood, I. Gardiner, A.W. King, F.A. Bowe, R.A. Hallewell, S.L. Marklund, J. Greenwood, R.J.M. Lane, and J. deBelleroche

752 Linkage of the locus for cerebral cavernous hemangiomas to human chromosome 7q in four families of Mexican-American descent
M.H. Polymeropoulos, O. Hurko, F. Hsu, J. Rubenstein, S. Basnet, K. Lane, H. Dietz, R.F. Spetzler, and D. Rigamonti

758 Linkage analysis of HLA class II genes in Swedish multiplex families with multiple sclerosis
A. Fogdell, O. Olerup, S. Fredrikson, M. Vrethem, and J. Hillert

762 Brain temperature monitoring and modulation in patients with severe MCA infarction
S. Schwab, M. Spranger, A. Aschoff, T. Steiner, and W. Hacke

768 Hyperthermia delayed by 24 hours aggravates neuronal damage in rat hippocampus following global ischemia
R.C. Baena, R. Busto, W.D. Dietrich, M.Y.-T. Globus, and M.D. Ginsberg

Brief Communications

774 Myasthenia gravis and alopecia areata
A. Kubota, A. Komiyama, and O. Hasegawa

776 Familial acephalgic migraines
M.I. Shevell

777 Improvement following interferon-alpha 2A in chronic inflammatory demyelinating polyneuropathy
K.C. Gorson, G. Allam, D. Simovic, and A.H. Ropper

781 Comparison of African-American and white persons with Alzheimer's disease on language measures
D.N. Ripich, B. Carpenter, and E. Ziol

Clinical/Scientific Notes

784 Peripheral neuropathy in Creutzfeldt-Jakob disease
M.M. Esiri, W.I. Gordon, J. Collinge, and J.S. Patten

784 Neuro-ophthalmic presentation of non-Hodgkins lymphoma
P.F. Finelli and R.L. Lesser

785 Iatrogenic brain prolapse: A rare complication of invasive presurgical evaluation of epilepsy
D. Flügel, B. Ostertun, J. Bauer, D. van Roost, and C.E. Elger

Correspondence

787 Spinal schwannomatosis
To the Editor: S.M. Pulst, V. Riccardi, V. Mautner. Reply from the Authors: M. MacCollin, L. Jacoby, W. Woodfin, and M.P. Short

788 Psychogenic seizures
To the Editor: S.R. Benbadis. Reply from the Author: R.P. Lesser

788 Meningeal gliomatosis
To the Editor: I. Vajtai. Reply from the Authors: M. Moonis and T.W. Smith

789 Ginkgo biloba
To the Editor: M. Odawara, A. Tamaoka, and K. Yamashita. Reply from the Authors: S.L. Lewis and J. Rowin

790 MRI in sporadic olivopontocerebellar atrophy and striatonigral degeneration
To the Editor: M. Savoiardo, M. Grisoli, F. Girotti, D. Testa, and T. Caraceni. Reply from the Authors: S. Gilman and N.P. Quinn

Departments

C2 Information for Authors
25A Calendar
47A Professional Notices
62A Index to Advertisers
793 Book Reviews

April 1997 Volume 48 Number 4

Editorial

797 The insistent call from functional MRI
J.W. Prichard and J.L. Cummings

801 The increasingly complex genetics of Tourette's syndrome
D. Sadovnick and R. Kurlan

Views & Reviews

803 Seizures, epilepsy, and functional recovery after traumatic brain injury: A reappraisal
T.D. Hernandez and D.K. Naritoku

Contemporary Issues

807 Neurology workforce and the Residency Review Committee
M.A. Fishman

Articles

810 Effects of anti-CD4 antibody treatment on lymphocyte subsets and stimulated tumor necrosis factor alpha production: A study of 29 multiple sclerosis patients entered into a clinical trial of cM-T412
N. Llewellyn-Smith, M. Lai, D.H. Miller, P. Rudge, A.J. Thompson, and M.L. Cuzner

817 Quantitative assessment of sustained-release 4-aminopyridine for symptomatic treatment of multiple sclerosis
S.R. Schwid, M.D. Petrie, M.P. McDermott, D.S. Tierney, D.H. Mason, and A.D. Goodman

821 MRI of optic nerve enlargement in optic neuritis
W.T. Cornblath and D.J. Quint

826 T-cell tumor necrosis factor-α receptor binding in patients with multiple sclerosis
P. Bongioanni and G. Meucci

832 Clinical safety of serial monthly administrations of gadopentetate dimeglumine in patients with multiple sclerosis: Implications for natural history and early-phase treatment trials
R.M. Tresley, L.A. Stone, N. Fields, H. Maloni, H. McFarland, and J.A. Frank

836 Metabolite abnormalities in progressive multifocal leukoencephalopathy by proton magnetic resonance spectroscopy
L. Chang, T. Ernst, C. Tornatore, H. Aronow, R. Melchor, I. Walot, E. Singer, and M. Cornford

845 A new leukoencephalopathy with vanishing white matter
M.S. van der Knaap, P.G. Barth, F.J.M. Gabreëls, E. Franzoni, J.H. Begeer, H. Stroink, J.J. Rotteveel, and J. Valk

855 Peripheral neuropathy associated with sicca complex
I.A. Grant, G.G. Hunder, H.A. Homburger, and P.J. Dyck

863 Magnetic resonance imaging of the forearm as a diagnostic aid in patients with sporadic inclusion body myositis
E.A. Sekul, C. Chow, and M.C. Dalakas

867 A clinical, electrophysiologic, neuropathologic, and genetic study of two large Algerian families with an autosomal recessive demyelinating form of Charcot-Marie-Tooth disease
M. Kessali, R. Zemmouri, A. Guilbot, T. Maisonobe, A. Brice, E. LeGuern, and D. Grid

874 Magnetic resonance imaging at the demyelinative foci in chronic inflammatory demyelinating polyneuropathy
S. Kuwabara, M. Nakajima, S. Matsuda, and T. Hattori

878 Quantification of brain metabolites in amyotrophic lateral sclerosis by localized proton magnetic resonance spectroscopy
O. Gredal, S. Rosenbaum, S. Topp, M. Karlsborg, P. Strange, and L. Werdelin

882 Medial medullary stroke: Report of seven patients and review of the literature
C. Bassetti, J. Bogousslavsky, H. Mattle, and A. Bernasconi

891 Stroke recurrence: Predictors, severity, and prognosis. The Copenhagen Stroke Study
H.S. Jørgensen, H. Nakayama, J. Reith, H.O. Raaschou, and T.S. Olsen

896 Outcome of asymptomatic patients with carotid disease
A.E. Mackey, M. Abrahamowicz, Y. Langlois, R. Battista, D. Simard, F. Bourque, J. Leclerc, R. Côté, and the Asymptomatic Cervical Bruit Study Group

904 Habitual sleep patterns and risk for stroke and coronary heart disease: A 10-year follow-up from NHANES I
A.I. Qureshi, W.H. Giles, J.B. Croft, and D.L. Bliwise

911 The risks and benefits of carotid endarterectomy in patients with near occlusion of the carotid artery
L.B. Morgenstern, A.J. Fox, B.L. Sharpe, M. Eliasziw, H.J.M. Barnett, J.C. Grotta, for the North American Symptomatic Carotid Endarterectomy Trial (NASCET) Group

916 Vestibular compensation in a patient with a cerebellar infarction
J.M. Furman, C.D. Balaban, and I.F. Pollack

921 Metalloproteinase inhibition blocks edema in intracerebral hemorrhage in the rat
G.A. Rosenberg and M. Navratil

927 The metabolic anatomy of Tourette's syndrome
D. Eidelberg, J.R. Moeller, A. Antonini, K. Kazumata, V. Dhawan, C. Budman, and A. Feigin

934 Sex of parent transmission effect in Tourette's syndrome: Evidence for earlier age at onset in maternally transmitted cases suggests a genomic imprinting effect
V. Eapen, J. O'Neill, Hugh M.D. Gurling, and M.M. Robertson

937 A study of the Lund-Manchester research criteria for frontotemporal dementia: Clinical and single-photon emission CT correlations
B.L. Miller, C. Ikonte, M. Ponton, M. Levy, K. Boone, A. Darby, N. Berman, I. Mena, and J.L. Cummings

942 Lack of overlap in genetic risks for Alzheimer's disease and Parkinson's disease
S.F. Mickel, S.K. Broste, and B.C. Hiner

949 Chromosome 17 and hereditary dementia: Linkage studies in three non-Alzheimer families and kindreds with late-onset FAD
T.D. Bird, E.M. Wijsman, D. Nochlin, M. Leehey, S.M. Sumi, H. Payami, P. Poorkaj, E. Nemens, and G.D. Schellenberg

955 Talking while walking: The effect of a dual task in aging and Alzheimer's disease
R. Camicioli, D. Howieson, S. Lehman, and J. Kaye

959 Corticobasal degeneration: Neuropathologic and clinical heterogeneity
J.A. Schneider, R.L. Watts, M. Gearing, R.P. Brewer, and S.S. Mirra

969 Age-related and regional differences in dopamine transporter mRNA expression in human midbrain
M.J. Bannon and C.J. Whitty

978 Midline cerebral morphometry distinguishes frontotemporal dementia and Alzheimer's disease
D.I. Kaufer, B.L. Miller, L. Itti, L.A. Fairbanks, J. Li, J. Fishman, J. Kushi, and J.L. Cummings

985 Apolipoprotein E ϵ4 allele and hippocampal volume in twins with normal cognition
B.L. Plassman, K.A. Welsh-Bohmer, E.D. Bigler, S.C. Johnson, C.V. Anderson, M.J. Helms, A.M. Saunders, and J.C.S. Breitner

989 Diagnosis of early dementia by the Double Memory Test: Encoding specificity improves diagnostic sensitivity and specificity
H. Buschke, M.J. Sliwinski, G. Kuslansky, and R.B. Lipton

997 Daily energy expenditure in free-living non-institutionalized Alzheimer's patients: A doubly labeled water study
E.T. Poehlman, M.J. Toth, M.I. Goran, W.H. Carpenter, P. Newhouse, and C.J. Rosen

1003 Noninvasive assessment of language dominance in children and adolescents with functional MRI: A preliminary study
L. Hertz-Pannier, W.D. Gaillard, S.H. Mott, C.A. Cuenod, S.Y. Bookheimer, S. Weinstein, J. Conry, P.H. Papero, S.J. Schiff, D. Le Bihan, and W.H. Theodore

1013 Progressive facial hemiatrophy and epilepsy: A common underlying dysgenetic mechanism
S. Dupont, M. Catala, D. Hasboun, F. Semah, and M. Baulac

1018 Proton spectroscopic imaging at 4.1 tesla in patients with malformations of cortical development and epilepsy
R. Kuzniecky, H. Hetherington, J. Pan, J. Hugg, C. Palmer, F. Gilliam, E. Faught, and R. Morawetz

1025 Cognitive and quality of life effects of differing dosages of tiagabine in epilepsy
C.B. Dodrill, J.L. Arnett, K.W. Sommerville, and V. Shu

1032 A single-dose study to define tiagabine pharmacokinetics in pediatric patients with complex partial seizures
L.E. Gustavson, S.W. Boellner, G.R. Granneman, J.X. Qian, H.J. Guenther, T. El-Shourbagy, and K.W. Sommerville

1037 Outcome following surgery in patients with bitemporal interictal epileptiform patterns
M.D. Holmes, C.B. Dodrill, G.A. Ojemann, A.J. Wilensky, and L.M. Ojemann

1041 Seizures in temporal lobe epilepsy: I. Reliability of scalp/sphenoidal ictal recording
J.I. Sirven, J.D. Liporace, J.A. French, M.J. O'Connor, and M.R. Sperling

1047 Effects of duration of epilepsy on the uncoupling of metabolism and blood flow in complex partial seizures
J.I. Breier, N.A. Mullani, A.B. Thomas, J.W. Wheless, P.M. Plenger, K.L. Gould, A. Papanicolaou, and L.J. Willmore

1053 Presynaptic and postsynaptic striatal dopaminergic function in patients with manganese intoxication: A positron emission tomography study
H. Shinotoh, B.J. Snow, N.-S. Chu, C.-C. Huang, C.-S. Lu, C. Lee, H. Takahashi, and D.B. Calne

1056 A direct comparison of PET activation and electrocortical stimulation mapping for language localization
S.Y. Bookheimer, T.A. Zeffiro, T. Blaxton, B.A. Malow, W.D. Gaillard, S. Sato, C. Kufta, P. Fedio, and W.H. Theodore

1066 Rapid-onset dystonia-parkinsonism in a second family
A. Brashear, D. DeLeon, S.B. Bressman, D. Thyagarajan, M.R. Farlow, and W.B. Dobyns

1070 Serotonin syndrome and the combined use of deprenyl and an antidepressant in Parkinson's disease
I.H. Richard, R. Kurlan, C. Tanner, S. Factor, J. Hubble, O. Suchowersky, C. Waters, and the Parkinson Study Group

1077 Benztropine versus clozapine for the treatment of tremor in Parkinson's disease
J.H. Friedman, W.C. Koller, M.C. Lannon, K. Busenbark, E. Swanson-Hyland, and D. Smith

1081 The inv dup(15) syndrome: A clinically recognizable syndrome with altered behavior, mental retardation, and epilepsy
A. Battaglia, F. Gurrieri, E. Bertini, A. Bellacosa, M.G. Pomponi, M. Paravatou-Petsotas, S. Mazza, and G. Neri

1087 Homozygosity for an allele carrying intermediate CAG repeats in the dentatorubral-pallidoluysian atrophy (DRPLA) gene results in spastic paraplegia
K. Kurohara, Y. Kuroda, H. Maruyama, H. Kawakami, M. Yukitake, M. Matsui, and S. Nakamura

1090 Human cortical plasticity: Functional recovery with mirror movements
A.C. Nirkko, K.M. Rösler, C. Ozdoba, O. Heid, G. Schroth, and C.W. Hess

1094 REM sleep behavior disorders in multiple system atrophy
G. Plazzi, R. Corsini, F. Provini, G. Pierangeli, P. Martinelli, P. Montagna, E. Lugaresi, and P. Cortelli

1097 Absence of pontine lesions in narcolepsy
J.L. Frey and J.E. Heiserman

1100 Sumatriptan for migraine attacks in children: A randomized placebo-controlled study. Do children with migraine respond to oral sumatriptan differently from adults?
M.L. Hämäläinen, K. Hoppu, and P. Santavuori

Brief Communications

1104 Multifocal motor neuropathy: Serum IgM binding to a GM1 ganglioside-containing lipid mixture but not to GM1 alone
A. Pestronk, R. Choksi, G. Blume, and G. Lopate

1107 Post-irradiation neuromyotonia in bilateral facial and trigeminal nerve distribution
J. Martí-Fàbregas, J. Montero, D. López-Villegas, and M. Quer

1109 Striatal dopamine nerve terminal markers but not nigral cellularity are reduced in spinocerebellar ataxia type 1
S.J. Kish, M. Guttman, Y. Robitaille, M. El-Awar, L.-J. Chang, and A.I. Levey

1112 Posterior cervical spinal cord infarction following vertebral artery dissection
C.A.G. Bergqvist, H.I. Goldberg, O. Thorarensen, and S.J. Bird

1115 Clinical correlates of sleep benefit in Parkinson's disease
L.J. Currie, J.P. Bennett, Jr, M.B. Harrison, J.M. Trugman, and G.F. Wooten

1118 A presenilin-1 mutation in a Japanese family with Alzheimer's disease and distinctive abnormalities on cranial MRI
M. Aoki, K. Abe, N. Oda, M. Ikeda, T. Tsuda, M. Kanai, M. Shoji, P.H. St. George-Hyslop, and Y. Itoyama

Special Article

1121 Cognitive function and academic performance in neurofibromatosis 1: Consensus statement from the NF1 Cognitive Disorders Task Force
K.N. North, V. Riccardi, C. Samango-Sprouse, R. Ferner, B. Moore, E. Legius, N. Ratner, and M.B. Denckla

Historical Neurology

1128 Jean-Martin Charcot and Silas Weir Mitchell
C.G. Goetz

Clinical/Scientific Notes

1133 Decreased CSF levels of substance P in patients with congenital sensory neuropathy with anhidrosis
S. Nagamitsu, T. Matsuishi, A. Ohnishi, and H. Kato

1133 Improvement of stiff-man syndrome with vigabatrin
M.C. Prevett, P. Brown, and J.S. Duncan

1135 Pulsed high-dose dexamethasone is not effective in patients with multifocal motor neuropathy
L.H. Van den Berg, H. Lokhorst, and J.H.J. Wokke

1135 Voice fatigue in myasthenia gravis: The sinking pitch sign
F.O. Walker

Correspondence

1137 Ginkgo biloba
To the Editor: G.J. Gilbert. Reply from the Authors: S.L. Lewis and J. Rowin

1137 AED withdrawal
To the Editor: B.J. Davis. Reply from the Authors: P. Tinuper, P. Avoni, R. Riva, F. Provini, F. Lugaresi, and A. Baruzzi

1137 Machado-Joseph disease, spinopontine atrophy, and SCA3
To the Editor: D. Genis and V. Volpini. Reply from the Authors: J.J. Higgins and M.H. Polymeropoulos

1139 SPECT in AD
To the Editor: J.J. Claus, W.A. van Gool, H. Feldman, and E. Mohr. Reply from the Authors: Therapeutics and Technology Assessment Subcommittee American Academy of Neurology

1140 Peripheral neuropathy
To the Editor: D.M. Feinberg. Reply from the Authors: P.J. Dyck, P.J.B. Dyck, and I.A. Grant

1140 Complex partial status epilepticus
To the Editor: M. Privitera. Reply from the Authors: A. Krumholz, G.K. Bergey, R.S. Fisher, G.Y. Sung, E. Barry, and L.M. Grattan

1141 Alzheimer's disease and aluminum
To the Editor: P. Levallois. Reply from the Authors: D.R.C. McLachlan, C. Bergeron, J.E. Smith, D. Boomer, and S.L. Rifat

1142 Subacute sclerosing panencephalitis
To the Editor: T. Ichiyama, T. Hayashi, and S. Furukawa

Corrections

1143 To: Familial meningocerebrovascular amyloidosis, Hungarian type, with mutant transthyretin (TTR Asp 18G1)

To: VKH syndrome

In Memoriam

1144 D.F. "Frank" Benson (1928–1996)

1146 Alexander Treloar Ross, AB, MD, MS (1908–1997)

Departments

C2 Information for Authors
19A Calendar
30A Newsletter
77A Professional Notices
94A Index to Advertisers
1148 Book Reviews

CONTENTS

May 1997 Volume 48 Number 5

Views & Reviews

1151 Research involving critically ill subjects in emergency circumstances: New regulations, new challenges
A. Wichman and A.L. Sandler

1156 Butorphanol (Stadol): A study in problems of current drug information and control
M.A. Fisher and S. Glass

1161 Psychiatric dizziness
J.M. Furman and R.G. Jacob

1167 Benign paroxysmal positioning vertigo: Classic descriptions, origins of the provocative positioning technique, and conceptual developments
D.J. Lanska and B. Remler

Conference Summary

1178 International Symposium for Therapy of Ocular Motility and Related Visual Disturbances
H.J. Kaminski and R. John Leigh

Articles

1185 "Gourmand syndrome": Eating passion associated with right anterior lesions
M. Regard and T. Landis

1191 A population-based study of prognosis of ruptured cerebral aneurysm: Mortality and recurrence of subarachnoid hemorrhage
E. Olafsson, W. Allen Hauser, and G. Gudmundsson

1196 Pain after thalamic stroke: Right diencephalic predominance and clinical features in 180 patients
Z.S. Nasreddine and J.L. Saver

1200 Unusual clinical features and early brain MRI lesions in a family with cerebral autosomal dominant arteriopathy
A. Malandrini, P. Carrera, G. Ciacci, S. Gonnelli, M. Villanova, S. Palmeri, L. Vismara, V. Brancolini, E. Signorini, M. Ferrari, and G.C. Guazzi

1204 Testing the validity of the lacunar hypothesis: The Northern Manhattan Stroke Study experience
R. Gan, R.L. Sacco, D.E. Kargman, J.K. Roberts, B. Boden-Albala, and Q. Gu

1212 High-dose oral dextromethorphan versus placebo in painful diabetic neuropathy and postherpetic neuralgia
K.A. Nelson, K.M. Park, E. Robinovitz, C. Tsigos, and M.B. Max

1218 Magnetic resonance imaging of the brachial plexus in patients with multifocal motor neuropathy
H.W. Van Es, L.H. Van den Berg, H. Franssen, T.D. Witkamp, L.M.P. Ramos, N.C. Notermans, M.A.M. Feldberg, and J.H.J. Wokke

1225 A beneficial effect of oxandrolone in the treatment of Duchenne muscular dystrophy: A pilot study
G. Fenichel, A. Pestronk, J. Florence, V. Robison, and V. Hemelt

1227 Primary adhalinopathy (α-sarcoglycanopathy): Clinical, pathologic, and genetic correlation in 20 patients with autosomal recessive muscular dystrophy
B. Eymard, N.B. Romero, F. Leturcq, F. Piccolo, A. Carrié, M. Jeanpierre, H. Collin, N. Deburgrave, K. Azibi, M. Chaouch, L. Merlini, C. Thémar-Noël, I. Penisson, M. Mayer, O. Tanguy, K.P. Campbell, J.C. Kaplan, F.M.S. Tomé, and M. Fardeau

1234 Steroid myopathy in cancer patients
T.T. Batchelor, L.P. Taylor, H.T. Thaler, J.B. Posner, and L.M. DeAngelis

1238 Mitochondrial encephalomyopathy with coenzyme Q_{10} deficiency
C. Sobreira, M. Hirano, S. Shanske, R.K. Keller, R.G. Haller, E. Davidson, F.M. Santorelli, A.F. Miranda, E. Bonilla, D.S. Mojon, A.A. Barreira, M.P. King, and S. DiMauro

1244 Autosomal dominant progressive external ophthalmoplegia with multiple deletions of mtDNA: Clinical, biochemical, and molecular genetic features of the 10q-linked disease
A. Suomalainen, A. Majander, M. Wallin, K. Setälä, K. Kontula, H. Leinonen, T. Salmi, A. Paetau, M. Haltia, L. Valanne, J. Lonnqvist, L. Peltonen, and H. Somer

1253 Myasthenic crisis: Clinical features, mortality, complications, and risk factors for prolonged intubation
C.E. Thomas, S.A. Mayer, Y. Gungor, R. Swarup, E.A. Webster, I. Chang, T.H. Brannagan, M.E. Fink, and L.P. Rowland

1261 Antibodies to synthetic peptides of the α1A subunit of the voltage-gated calcium channel in Lambert-Eaton myasthenic syndrome
M. Takamori, K. Iwasa, and K. Komai

1266 Decreased expression of full-length mRNA for ^{c}BCD541 does not correlate with spinal muscular atrophy phenotype severity
H. Nishio, Y. Ishikawa, M.J. Lee, M. Fujii, F. Kanda, K. Jinnai, K. Takahashi, Y. Takeshima, H. Wada, S. Takada, H. Nakamura, M. Matsuo, and K. Sumino

1270 Increased CSF glutamate following injection of ALS immunoglobulins
V. La Bella, J. Clay Goodman, and S.H. Appel

1273 Stereotactic pallidotomy for Parkinson's disease: A long-term follow-up of unilateral pallidotomy
E. Fazzini, M. Dogali, D. Sterio, D. Eidelberg, and A. Berić

1277 A population perspective on diagnostic criteria for Parkinson's disease
M.C. de Rijk, W.A. Rocca, D.W. Anderson, M.O. Melcon, M.M.B. Breteler, and D.M. Maraganore

1282 Lamotrigine trial in idiopathic parkinsonism: A double-blind, placebo-controlled, crossover study
H. Shinotoh, F.J.G. Vingerhoets, C.S. Lee, R.J. Uitti, M. Schulzer, D.B. Calne, and J. Tsui

1285 Atypical parkinsonism in a family of Portuguese ancestry: Absence of CAG repeat expansion in the MJD1 gene
J.P. Sutton and S.M. Pulst

1290 Oral phenylalanine loading in dopa-responsive dystonia: A possible diagnostic test
K. Hyland, J.S. Fryburg, W.G. Wilson, E.M. Bebin, L.A. Arnold, R.S. Gunasekera, R.D. Jacobson, E. Rost-Ruffner, and J.M. Trugman

1297 Volume loss of the hippocampus and temporal lobe in healthy elderly persons destined to develop dementia
J.A. Kaye, T. Swihart, D. Howieson, A. Dame, M.M. Moore, T. Karnos, R. Camicioli, M. Ball, B. Oken, and G. Sexton

1304 Predictors of time to institutionalization of patients with Alzheimer's disease: The CERAD experience, Part XVII
A. Heyman, B. Peterson, G. Fillenbaum, and C. Pieper

1310 Widespread dilatation of perivascular spaces: A leukoencephalopathy causing dementia
C. Vital and J. Julien

1313 No association between the alpha 1-antichymotrypsin A allele and Alzheimer's disease
G.M. Murphy, Jr., E.V. Sullivan, D. Gallagher-Thompson, L.W. Thompson, C.M. van Duijn, L.S. Forno, W.G. Ellis, W.J. Jagust, J. Yesavage, and J.R. Tinklenberg

1317 Dementia after stroke increases the risk of long-term stroke recurrence
J.T. Moroney, E. Bagiella, T.K. Tatemichi, M.C. Paik, Y. Stern, and D.W. Desmond

1326 ^{99m}Tc-SPECT in the diagnosis of skull base metastasis
B.P.W. Jansen, M. Pillay, H.G. de Bruin, M.J. van den Bent, Ch.J. Vecht, and P.A.E. Sillevis Smitt

1330 Concurrence of multiple sclerosis and brain tumor: Clinical considerations
O.A. Khan, S.C. Bauserman, M.I. Rothman, E.F. Aldrich, and H.S. Panitch

1333 HHV-8 and AIDS-related CNS lymphoma
S. Morgello, M. Tagliati, and M.R. Ewart

1336 Chemotherapy response criteria in malignant glioma
R. Grant, B.C. Liang, J. Slattery, H.S. Greenberg, and L. Junck

1341 Quantitation of herpes simplex virus type 1 DNA in cells of cerebrospinal fluid of patients with herpes simplex virus encephalitis
B. Wildemann, K. Ehrhart, B. Storch-Hagenlocher, U. Meyding-Lamadé, S. Steinvorth, W. Hacke, and J. Haas

1347 Unilateral hyperperfusion in brain-perfusion SPECT predicts poor prognosis in acute encephalitis
J. Launes, J. Sirén, L. Valanne, O. Salonen, P. Nikkinen, A.-M. Seppäläinen, and K. Liewendahl

1351 Epstein-Barr virus encephalomyelitis diagnosed by polymerase chain reaction: Detection of the genome in the CSF
A. Tselis, R. Duman, G.A. Storch, and R.P. Lisak

1356 Guamanian neurodegenerative disease: Are diabetes mellitus and altered humoral immunity clues to pathogenesis?
J.E. Ahlskog, R.C. Petersen, S.C. Waring, C. Esteban-Santillan, U.-K. Craig, D.M. Maraganore, V.A. Lennon, and L.T. Kurland

1363 Surface and depth EEG findings in patients with hippocampal atrophy
D. King, S.S. Spencer, G. McCarthy, and D.D. Spencer

1368 Epilepsy surgery outcome: Comprehensive assessment in children
F. Gilliam, E. Wyllie, J. Kashden, E. Faught, P. Kotagal, M. Bebin, M. Wise, Y. Comair, R. Morawetz, and R. Kuzniecky

1374 Non-epileptic seizures in temporal lobectomy candidates with medically refractory seizures
T.R. Henry and I. Drury

1383 Long-term follow-up after temporal lobe resection for lesions associated with chronic seizures
S.D. Eliashiv, S. Dewar, I. Wainwright, J. Engel, Jr, and I. Fried

1389 Usefulness of polysomnography in epilepsy patients
B.A. Malow, G.A. Fromes, and M.S. Aldrich

1394 Color vision tests for early detection of antiepileptic drug toxicity
A.U. Bayer, H.-J. Thiel, E. Zrenner, J. Dichgans, M. Kuehn, W. Paulus, S. Ried, and D. Schmidt

1398 Depression of motor cortex excitability by low-frequency transcranial magnetic stimulation
R. Chen, J. Classen, C. Gerloff, P. Celnik, E.M. Wassermann, M. Hallett, and L.G. Cohen

1403 Familial schizencephaly associated with *EMX2* mutation
T. Granata, L. Farina, A. Faiella, R. Cardini, L. D'Incerti, E. Boncinelli, and G. Battaglia

1406 Functional magnetic resonance imaging and transcranial magnetic stimulation: Complementary approaches in the evaluation of cortical motor function
T. Krings, B.R. Buchbinder, W.E. Butler, K.H. Chiappa, H.J. Jiang, G.R. Cosgrove, and B.R. Rosen

1416 Object shape processing in the visual system evaluated using functional MRI
M. Kraut, J. Hart, Jr., B.J. Soher, and B. Gordon

1421 Albendazole therapy for neurocysticercosis: A prospective double-blind trial comparing 7 versus 14 days of treatment
H.H. Garcia, R.H. Gilman, J. Horton, M. Martinez, G. Herrera, J. Altamirano, J.M. Cuba, N. Rios-Saavedra, M. Verastegui, J. Boero, A.E. Gonzalez, and the Cysticercosis Working Group in Peru

1427 Schizencephaly: Correlations of clinical and radiologic features
A. Maurine Packard, V.S. Miller, and M.R. Delgado

1435 Temporal lobe arachnoid cyst–attention deficit disorder syndrome: Role of the electroencephalogram in diagnosis
J. Gordon Millichap

Brief Communications

1440 Muscle fiber atrophy in leg muscles after botulinum toxin type A treatment of cervical dystonia
T. Ansved, T. Odergren, and K. Borg

1443 Cramps and minimal EMG abnormalities as preclinical manifestations of spinal muscular atrophy patients with homozygous deletions of the SMN gene
E. Bussaglia, E.F. Tizzano, I. Illa, C. Cervera, and M. Baiget

1446 Interferon beta results in immediate reduction of contrast-enhanced MRI lesions in multiple sclerosis patients followed by weekly MRI
P.A. Calabresi, L.A. Stone, C.N. Bash, J.A. Frank, and H.F. McFarland

1448 Traumatic brainstem deafness with normal brainstem auditory evoked potentials
C.-J. Hu, K.-Y. Chan, T.-J. Lin, S.-H. Hsiao, Y.-M. Chang, and S.-M. Sung

1451 Creutzfeldt-Jakob disease after extracranial dura mater embolization for a nasopharyngeal angiofibroma
J.C. Antoine, D. Michel, P. Bertholon, J.F. Mosnier, J.L. Laplanche, P. Beaudry, J.J. Hauw, and C. Veyret

1454 A case of spinal cord decompression sickness presenting as partial Brown-Sequard syndrome
T. Kimbro, T. Tom, and T. Neuman

1456 MR imaging of progressive downward herniation of the diencephalon
E.F.M. Wijdicks and G.M. Miller

1459 Meningiomas: The decision not to operate
J.B. Braunstein and N.A. Vick

1462 Interictal cortical excitability to magnetic stimulation in familial hemiplegic migraine
W. van der Kamp, A.M. VanDenBrink, M.D. Ferrari, and J. Gert van Dijk

1464 Electrocerebral inactivity associated with obstructive sleep apnea
C.S. Connelly, C.A. O'Donovan, W.V. McCall, W.L. Bell, and L. Quinlivan

CONTENTS

Clinical/Scientific Notes

1467 Gabapentin for idiopathic trigeminal neuralgia: Report of two cases
T. Sist, V. Filadora, M. Miner, and M. Lema

1467 Incontinence during treatment with gabapentin
A. Gil-Nagel, S. Gapany, K. Blesi, N. Villanueva, and D. Bergen

1468 Efficacy of pyridoxal phosphate in treating an adult with intractable status epilepticus
E. Nakagawa, T. Tanaka, M. Ohno, T. Yamano, and M. Shimada

1469 Human T-lymphotropic virus type I-associated myelopathy/tropical spastic paraparesis and systemic lupus erythematosus
O.M. Takayanagui, L.S. Moura, F.C. Petean, T.A. Bíscaro, D.T. Covas, and M. Osame

1470 Creutzfeldt-Jakob disease after an embolization of intercostal arteries with cadaveric dura mater suggesting a systemic transmission of the prion agent
L. Defebvre, A. Destée, J. Caron, M.M. Ruchoux, A. Wurtz, and J. Remy

Correspondence

1472 Migraine and increased migraine
To the Editor: T.G. Lee. Reply from the Author: N.T. Mathew

1472 Retrospinal tract
To the Editor: P.R. Kennedy. Reply from the Authors: S. Terao, M. Takahashi, M. Li, Y. Hashizume, H. Ikeda, T. Mitsuma, and G. Sobue

1473 Steroid therapy in AD
To the Editor: G. Gambassi, F. Landi, and R. Bernabei. Reply from the Authors: P.L. McGeer, M. Schulzer, and E.G. McGeer

1474 David E. Hartman, PhD
To the Editor: D.E. Hartman

1474 Spinal cord watershed
To the Editor: K.A. Jellinger

1475 Hypothyroid dementia
To the Editor: G.J. Gilbert. Reply from the Author: A. Thie

1475 Spontaneous dissections
To the Editor: G.J. Gilbert. Reply from the Authors: S.A. Mayer and B.S. Rubin

1475 Predictors in stroke outcome
To the Editor: J.T. Moroney and D.W. Desmond. To the Editor: B.S. Solomon and L.A. Gentry. Reply from the Authors: J.E. Ween and M.P. Alexander

1477 Root enhancement in GBS
To the Editor: M.D. Weiss. Reply from the Authors: K.C. Gorson, A.H. Ropper, M.A. Muriello, and R. Blair

1477 Serum prolactate in syncope
To the Editor: B. Pohlmann-Eden, A. Stefanou, and H. Wellhäusser

1478 Spinal cord infarction
To the Editor: I. Leite and L. Monteiro. Reply from the Authors: W.P. Cheshire, C.C. Santos, E.W. Massey, and J.F. Howard, Jr.

1478 Alcohol withdrawal and Tourette's syndrome
To the Editor: K.R. Müller-Vahl, H. Kolbe, and R. Dengler. Reply from the Authors: F. Cardoso and A.P. Vargas

Correction

1479 To: Poster Presentation P01.105

Departments

21A Calendar
24A Information for Authors
86A Index to Advertisers
1480 Professional Notices

CONTENTS

June 1997 Volume 48 Number 6

Editorial

1481 Endarterectomy for asymptomatic internal carotid artery stenosis
D.J. Lanska and R.J. Kryscio

Views & Reviews

1491 Apraxia of lid opening: A review
D. Boghen

1494 Unusual causes of headache
N.M. Ramadan

1500 Use of gold weights to correct lagophthalmos in neuromuscular disease
V. Sansone, J. Boynton, and C. Palenski

Special Article

1504 Silicone breast implants and neurologic disorders: Report of the Practice Committee of the American Academy of Neurology
J.H. Ferguson

Articles

1508 Clinical Dementia Rating training and reliability in multicenter studies: The Alzheimer's Disease Cooperative Study experience
J.C. Morris, C. Ernesto, K. Schafer, M. Coats, S. Leon, M. Sano, L.J. Thal, P. Woodbury, and the Alzheimer's Disease Cooperative Study

1511 The Alzheimer's disease assessment scale: Patterns and predictors of baseline cognitive performance in multicenter Alzheimer's disease trials
P.M. Doraiswamy, F. Bieber, L. Kaiser, K.R. Krishnan, J. Reuning-Scherer, and B. Gulanski

1517 A prospective study of estrogen replacement therapy and the risk of developing Alzheimer's disease: The Baltimore Longitudinal Study of Aging
C. Kawas, S. Resnick, A. Morrison, R. Brookmeyer, M. Corrada, A. Zonderman, C. Bacal, D.D. Lingle, and E. Metter

1521 EEG spectral abnormalities and psychosis as predictors of cognitive and functional decline in probable Alzheimer's disease
O.L. Lopez, R.P. Brenner, J.T. Becker, R.F. Ulrich, F. Boller, and S.T. DeKosky

1526 Apolipoprotein E gene and sporadic frontal lobe dementia
M. Stevens, C.M. van Duijn, P. de Knijff, C. van Broeckhoven, P. Heutink, B.A. Oostra, M.F. Niermeijer, and J.C. van Swieten

1529 Spatial dysgraphia and cerebellar lesion: A case report
M.C. Silveri, S. Misciagna, M.G. Leggio, and M. Molinari

1533 Disruption of short-duration timing associated with damage to the suprachiasmatic region of the hypothalamus
R.A. Cohen, H.J. Barnes, M. Jenkins, and H.E. Albers

1540 Analgesic rebound as a cause of hemicrania continua
J.S. Warner

1542 A study of the effects of sumatriptan on myocardial perfusion in healthy female migraineurs using $^{13}NH_3$ positron emission tomography
P.J. Lewis, S.F. Barrington, P.K. Marsden, M.N. Maisey, and L.D. Lewis

1550 HLA DR15 (DR2) and DQB1*0602 typing studies in 188 narcoleptic patients with cataplexy
A.E. Rogers, J. Meehan, C. Guilleminault, F.C. Grumet, and E. Mignot

1557 Longitudinal study of soluble adhesion molecules in multiple sclerosis: Correlation with gadolinium enhanced magnetic resonance imaging
G. Giovannoni, M. Lai, J. Thorpe, D. Kidd, V. Chamoun, A.J. Thompson, D.H. Miller, M. Feldmann, and E.J. Thompson

1566 Reduced glucose metabolism in the frontal cortex and basal ganglia of multiple sclerosis patients with fatigue: A ^{18}F-fluorodeoxyglucose positron emission tomography study
U. Roelcke, L. Kappos, J. Lechner-Scott, H. Brunnschweiler, S. Huber, W. Ammann, A. Plohmann, S. Dellas, R.P. Maguire, J. Missimer, E.W. Radü, A. Steck, and K.L. Leenders

1571 Secondary dystonia and the *DYTI* gene
S.B. Bressman, D. de Leon, D. Raymond, P.E. Greene, M.F. Brin, S. Fahn, L.J. Ozelius, X.O. Breakefield, P.L. Kramer, and N.J. Risch

1578 [^{11}C]RTI-32 PET studies of the dopamine transporter in early dopa-naive Parkinson's disease: Implications for the symptomatic threshold
M. Guttman, J. Burkholder, S.J. Kish, D. Hussey, A. Wilson, J. DaSilva, and S. Houle

1583 Environmental risk factors and Parkinson's disease: A case-control study in Taiwan
H.H. Liou, M.C. Tsai, C.J. Chen, J.S. Jeng, Y.C. Chang, S.Y. Chen, and R.C. Chen

1589 Evaluation of four candidate genes encoding proteins of the dopamine pathway in familial and sporadic Parkinson's disease: Evidence for association of a DRD2 allele
V. Planté-Bordeneuve, D. Taussig, F. Thomas, G. Said, N.W. Wood, C.D. Marsden, and A.E. Harding

1593 Embolic brain infarction in nonrheumatic atrial fibrillation: A clinicopathologic study in the elderly
H. Yamanouchi, H. Nagura, T. Mizutani, S. Matsushita, and Y. Esaki

1598 Clinical characteristics and management of acute stroke in patients with atrial fibrillation admitted to US university hospitals
G.W. Albers, N. Bittar, L. Young, C.R. Hattemer, A.J. Gandhi, S.M. Kemp, E.A. Hall, D.J. Morton, J. Yim, and P.H. Vlasses

1605 Fibromuscular dysplasia with dissection of basilar artery presenting as "locked-in-syndrome"
G.R. Arunodaya, S. Vani, S.K. Shankar, A.B. Taly, H.S. Swamy, and D. Sarala

1608 Barbiturate coma in severe hemispheric stroke: Useful or obsolete?
S. Schwab, M. Spranger, S. Schwarz, and W. Hacke

1613 Local thrombolytic therapy in deep cerebral venous thrombosis
A.G. Smith, W.T. Cornblath, and J.P. Deveikis

1619 A case of acute monocytic ehrlichiosis with prominent neurologic signs
A.C. Grant, S. Hunter, and W.C. Partin

1623 Leber's hereditary optic neuropathy: Biochemical effect of 11778/ND4 and 3460/ND1 mutations and correlation with the mitochondrial genotype
V. Carelli, A. Ghelli, M. Ratta, E. Bacchilega, S. Sangiorgi, R. Mancini, V. Leuzzi, P. Cortelli, P. Montagna, E. Lugaresi, and M.D. Esposti

1633 DMD-specific FISH probes are diagnostically useful in the detection of female carriers of DMD gene deletions
A. Voskova-Goldman, A. Peier, C.T. Caskey, C.S. Richards, and L.G. Shaffer

1638 Reactivity of T cells from seronegative patients with myasthenia gravis to T cell epitopes of the human acetylcholine receptor
A. Karni, E. Zisman, Y. Katz-Levy, M. Paas-Rozner, M. Dayan, C. Brautbar, O. Abramsky, M. Sela, and E. Mozes

1643 Th1 epitope repertoire on the α subunit of human muscle acetylcholine receptor in myasthenia gravis
Z.-Y. Wang, D.K. Okita, J. Howard, Jr., and B.M. Conti-Fine

1654 Characterizing swallowing abnormalities in progressive supranuclear palsy
I. Litvan, N. Sastry, and B.C. Sonies

1662 Somatosensory evoked potentials in adrenomyeloneuropathy
P.W. Kaplan, R.J. Tusa, JoEllen Rignani, and H.W. Moser

1667 A trinucleotide deletion in the transthyretin gene (ΔV122) in a kindred with familial amyloidotic polyneuropathy
T. Uemichi, J.J. Liepnieks, and M.D. Benson

1671 Lymphoproliferative disorders and motor neuron disease: An update
P.H. Gordon, L.P. Rowland, D.S. Younger, W.H. Sherman, A.P. Hays, E.D. Louis, D.J. Lange, W. Trojaborg, R.E. Lovelace, P.L. Murphy, and N. Latov

1678 Acute intermittent porphyria: Clinicopathologic correlation. Report of a case and review of the literature
J.I. Suarez, M.L. Cohen, J. Larkin, C.A. Kernich, D.E. Hricik, and R.B. Daroff

1684 Hereditary thermosensitive neuropathy: An autosomal dominant disorder of the peripheral nervous system
L. Magy, N. Birouk, J.M. Vallat, R. Gouider, T. Maisonobe, P. Bouche, O. Lyon-Caen, and B. Fontaine

1690 Chronic relapsing axonal neuropathy responsive to intravenous immunoglobulin
B. Katirji

1694 Axonal pathology in Japanese Guillain-Barré syndrome: A study of 15 autopsied cases
G. Sobue, M. Li, S. Terao, S. Aoki, M. Ichimura, T. Ieda, M. Doyu, T. Yasuda, Y. Hashizume, and T. Mitsuma

1701 Band heterotopia or double cortex in a male: Bridging structures suggest abnormality of the radial glial guide system
J. Ono, T. Mano, E. Andermann, K. Harada, K. Sakurai, T. Ikeda, N. Yoshihara, K. Shimizu, S. Okada, and F. Andermann

1704 Chemotherapy of human malignant glioma: Prevention of efficacy by dexamethasone?
M. Weller, C. Schmidt, W. Roth, and J. Dichgans

Brief Communications

1710 Chondrosarcoma of the spine and thyroid carcinoma following radiation therapy for Hodgkin's lymphoma
A.A. Leis and J. Fratkin

1712 Bradycardia and asystole induced by partial seizures: A case report and literature review
O. Devinsky, S. Pacia, and G. Tatambhotla

1714 Clinical effectiveness of lamotrigine and plasma levels in essential and symptomatic trigeminal neuralgia
G. Lunardi, M. Leandri, C. Albano, S. Cultrera, M. Fracassi, V. Rubino, and E. Favale

1717 Antimuscle and anti-CNS circulating antibodies in chronic fatigue syndrome
A.V. Plioplys

1719 Further evidence supporting linkage of hereditary neuralgic amyotrophy to chromosome 17q
M. Wehnert, V. Timmerman, P. Spoelders, J. Meuleman, E. Nelis, and C. Van Broeckhoven

Historical Neurology

1722 The role of technology in neurologic specialization in America
D.J. Lanska

Poster Presentations

1728 Late breaking news

Clinical/Scientific Notes

1731 Carpet carrier's palsy: Musculocutaneous neuropathy
H.W. Sander, C.M. Quinto, H. Elinzano, and S. Chokroverty

1732 Neurologic complications of lumbar epidural analgesia: Spinal and paraspinal abscess
V. Bertol, J.R. Ara, A. Oliveros, and B. Gros

1733 Around the WORLD backward: An algorithm for scoring the MMSE WORLD item
L.A. Beckett, R.S. Wilson, D.A. Bennett, and M.C. Morris

Correspondence

1735 Posttraumatic headache
To the Editor: D.C. Haas. To the Editor: P.E. Sternberg. Reply from the Authors: J.S. Warner and G.M. Fenichel

1736 Pure transient amnesia during nonconvulsive status epilepticus
To the Editor: R.M. Dasheiff. To the Editor: R.J. Hawley, N. Cuenco, and L. Lastinger. Reply from the Authors: P. Vuilleumier

1737 Treatment with fetal allografts
To the Editor: J.H. Kordower, T.B. Freeman, R.A.E. Bakay, C.G. Goetz, and C.W. Olanow. Reply from the Authors: R.D. Folkerth and R. Durso

1738 Myofascial pain and fibromyalgia syndromes
To the Editor: W.J. Bernstein. To the Editor: N.M. Gantz and K. Fukuda. To the Editor: D.A. Nye. To the Editor: B.S. Galer. To the Editor: T.J. Romano. To the Editor: D.M. Long, Jr. To the Editor: T. Holmlund. Reply from the Author: T. Bohr

1742 Endarterectomy on asymptomatic patients
To the Editor: W.H. Baker. To the Editor: J.E. Castaldo and G.G. Nicholas

1743 Clearing Up Misunderstandings about Clinical Trial Methodology: A Reply to Barnett et al.'s Commentary on the ACAS Trial
To the Editor: L.E. Chambless, J.D. Hosking, R. Kronmal, G. Howard, V.J. Howard, J.F. Toole, for the ACAS Executive Committee and the ACAS Data and Safety Monitoring Committee. Reply from the Authors: H.J.M. Barnett, M. Eliasziw, H.E. Meldrum, and D.W. Taylor

CONTENTS

Corrections

1751 To: The amygdala and intractable temporal lobe epilepsy: A quantitative magnetic resonance imaging study
To: *S*-Methylation in Parkinson's disease

Departments

22A Calendar
25A Information for Authors
71A Professional Notices
86A Index to Advertisers
1749 Book Reviews
1752 Subject index to volume 48
1778 Author index to volume 48
iii Contents to volume 48

March 1997 Volume 48 Suppl 3

Introduction

S1 Increasing the options for effective migraine management
P.J. Goadsby and J. Olesen

Articles

S4 Burden of migraine: Societal costs and therapeutic opportunities
R.B. Lipton, W.F. Stewart, and M. von Korff

S10 Evolution of the measurement of quality of life in migraine
G.D. Solomon

S16 The doctor and the migraine patient: Improving compliance
E. MacGregor

S21 311C90:Increasing the options for therapy with effective acute antimigraine $5HT_{1B/1D}$ receptor agonists
M.D. Ferrari

S25 311C90: Long-term efficacy and tolerability profile for the acute treatment of migraine
A.S. Zagami, for the International 311C90 Long-Term Study Group

S29 311C90: Patient profiles and typical case histories of migraine management
A.J. Dowson

April 1997 Volume 48 Suppl 4

Introduction

S1 ALS standard of care consensus conference
R.G. Miller

Articles

S2 Diagnosis and progression of ALS
H. Mitsumoto

S9 Patient and caregiver communications and decisions
D.F. Gelinas

S15 Symptomatic treatment of ALS
R. Sufit

S23 Clinical evaluation of ALS drugs
B.R. Brooks

S28 New approaches to the treatment of ALS
R.G. Miller and R. Sufit

S33 ALS standard of care consensus
R.G. Miller, R. Sufit, H. Mitsumoto, D.F. Gelinas, and B.R. Brooks

---

CONTENTS

April 1997 Volume 48 Suppl 5

Introduction

S1 Myasthenia gravis: Historical perspective and overview
D.S. Younger, B.B. Worrall, and A.S. Penn

Articles

S8 Neuromuscular junction physiology in myasthenia gravis: Isoforms of the acetylcholine receptor in extraocular muscle and the contribution of sodium channels to the safety factor
H.J. Kaminski, J.I. Suarez, and R.L. Ruff

S18 Electrophysiologic testing of neuromuscular transmission
D.J. Lange

S23 Serologic profile of myasthenia gravis and distinction from the Lambert–Eaton myasthenic syndrome
V.A. Lennon

S28 Congenital myasthenic syndromes caused by mutations in acetylcholine receptor genes
A.G. Engel, K. Ohno, M. Milone, and S.M. Sine

S36 The clinical limits of myasthenia gravis and differential diagnosis
R.P. Lisak

S40 Seronegative myasthenia gravis
D.B. Sanders, P.I. Andrews, J.F. Howard, Jr., and J.M. Massey

S46 Treatment of acquired myasthenia gravis
J.M. Massey

S52 Thymectomy for myasthenia gravis: Analysis of the controversies regarding technique and results
A. Jaretzki III

S64 Experience with IVIg in the treatment of patients with myasthenia gravis
M.C. Dalakas

S70 Intensive care of the myasthenic patient
S.A. Mayer

S76 Myasthenia gravis with thymoma
R.E. Lovelace and D.S. Younger

May 1997 Volume 48 Suppl 6

Introduction

S1 Managing Alzheimer's disease
S.T. DeKosky

Articles

S2 Differential diagnosis of Alzheimer's disease
D.S. Geldmacher and P.J. Whitehouse Jr.

S10 The Neuropsychiatric Inventory: Assessing psychopathology in dementia patients
J.L. Cummings

S17 Clinical features and pharmacologic treatment of behavioral symptoms of Alzheimer's disease
S. Borson and M.A. Raskind

S25 The family caregiver's role in Alzheimer's disease
W.E. Haley

S30 Alzheimer's disease: Clinical implications of the apolipoprotein E genotype
M.R. Farlow

S35 The search for disease-modifying treatment for Alzheimer's disease
P.S. Aisen and K.L. Davis

CONTENTS

May 1997 Volume 48 Suppl 7

Introduction

S1 The role of ovarian hormones in cognition and dementia
S.J. Birge

Articles

S2 Genesis of Alzheimer's disease
P.J. Whitehouse

S8 Ovarian steroids and the brain: Implications for cognition and aging
B.S. McEwen, S.E. Alves, K. Bulloch, and N.G. Weiland

S16 Role of estrogen in postmenopausal depression
U. Halbreich

S21 Estrogen effects on cognition in menopausal women
B.B. Sherwin

S27 The epidemiology of estrogen replacement therapy and Alzheimer's disease
V.W. Henderson

S36 The role of estrogen in the treatment of Alzheimer's disease
S.J. Birge

June 1997 Volume 48 Suppl 8

Dedication

S1 Dedication to J. Kiffin Penry
L.J. Willmore

Introduction

S2 Patterns for epilepsy care: Worldwide perspectives
L.J. Willmore

Articles

S3 Services for epilepsy in the United Kingdom
D. Chadwick and E.H. Reynolds

S8 Patterns of epilepsy care in Japan
M. Seino and E.A. Yeh

S16 Perspectives on epilepsy care in Denmark
L. Gram

S20 Perspectives on epilepsy care in Norway
O. Henriksen

S25 Epilepsy care in Germany: A clinical perspective
D. Schmidt

S30 Patterns of care for patients with epilepsy in France
O. Dulac and P. Jallon

S33 Perspectives of epilepsy care in the United States: Children and the developmentally disabled
R.R. Clancy

S39 Care of adults with epilepsy in the United States
L.J. Willmore